

DATA ITEM DESCRIPTION			Form Approved OMB No. 0704-0188	
2. TITLE		1. IDENTIFICATION NUMBER		
Failure Summary and Analysis Report		DI-RELI-80255		
3. DESCRIPTION / PURPOSE				
3.1 This report presents a cumulative tabulation of failures that occur prior to and during the reporting period, describes analysis performed and encompasses individual Failed Item Analysis Reports prepared during the reporting period.				
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE	
861017	EC			
7. APPLICATION / INTERRELATIONSHIP				
7.1 This DID contains the format and content preparation instructions for the Failure Summary and Analysis Report requirements of Tasks 202, 301, 302 and 401 of MIL-STD-781D and Task 104 of MIL-STD-785B.				
7.2 The report is used by the procuring activity to evaluate the contractor's failure reporting and analysis efforts.				
7.3 This DID relates to DI-RELI-80253, Failed Item Analysis Report.				
7.4 The Statement of Work must specify the appropriate task of MIL-STD-781 and MIL-STD-785 or a specific and discrete work task to develop this data product.				
7.5 This DID supersedes DI-R-7041 and DI-R-5339.				
8. APPROVAL LIMITATION		9a. APPLICABLE FORMS		9b. AMSC NUMBER
				N3987
10. PREPARATION INSTRUCTIONS				
10.1 <u>Reference documents.</u> The applicable issue of documents cited herein, including their approval dates, and the dates of any applicable amendments and revisions shall be as reflected in the contract.				
10.2 <u>General.</u> The report shall describe the results of the contractor's Failure Reporting, Analysis and Corrective Action System implementation required by the Statement of Work.				
10.3 <u>Content.</u> The report may be prepared in the contractor's format and shall comprise three sections: (a) Failure Summary, (b) Failure Analysis, and (c) Failed Item Analysis Reports.				
10.3.1 <u>Failure Summary.</u> The Failure Summary section shall consist of a cumulative tabulation of failure data obtained from individual failure reports. Failures which occurred during the latest report period shall be identified by suitable notation. The tabulation shall be arranged by subsystem or assembly, as applicable, and shall include the following data elements:				
<ul style="list-style-type: none"> <li>a. Failure number</li> <li>b. Failure analysis number</li> <li>c. Date of failure</li> <li>d. Part name</li> <li>e. Part number and symbol</li> <li>f. Subassembly</li> <li>g. Major assembly</li> <li>h. Serial number of equipment</li> </ul>				
11. DISTRIBUTION STATEMENT				
DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.				

10. PREPARATION INSTRUCTIONS (Cont'd)

- i. Hours of operation (component, equipment, total accumulated).
- j. Mode of operation (if applicable) when the failure occurred.
- k. Manufacturer of failed part.
- l. Symptom of failures.
- m. Cause of failure.
- n. Repair action for test continuation.
- o. Categorization of failure.
- p. Result of failure (abort, degradation, etc.).
- q. The time to failure.

10.3.2 Failure Analysis. The Failure Analysis section shall consist of brief summaries for each of the Failed Item Analysis Reports, arranged by failure cause categories, such as the following:

- a. Equipment design (ED).
- b. Equipment manufacturing workmanship (EMW).
- c. Part design (PD).
- d. Part manufacturing workmanship (PMW).
- e. Software errors (SE).
- f. Unverified.
- g. Intermittent failures.
- h. Non-relevant failures.

10.3.3 Failed Item Analysis Reports. The Failed Item Analysis Reports section shall consist of a copy of each Failed Item Analysis Report used in the preparation of this report.